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	Document ID	Source	Issue Date	Title	Current	Inventor			
1	WO 200197359 A1	DERW ENT	20011220	Prime mover operating method for wind turbines, involves temporarily offsetting singularity phase angles between prime movers, by controlling speed of prime mover by frequency converter		KRABBE, U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	WO 200197359 A	DERW ENT	20011220	Prime mover operating method for wind turbines, involves temporarily offsetting singularity phase angles between prime movers, by controlling speed of prime mover by frequency converter		KRABBE, U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	US 6671585 B2	USPAT	20031230	System, method and computer program product for enhancing commercial value of electrical power produced from a renewable energy power production facility	700/291	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	US 6670721 B2	USPAT	20031230	System, method, rotating machine and computer program product for enhancing electric power produced by renewable facilities	290/44	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	US 6512866 B2	USPAT	20030128	System, method and computer program product for enhancing commercial value of electrical power produced from a renewable energy power production facility	700/291	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	US 6333622 B1	USPAT	20011225	Synchronous generator having auxiliary power windings and variable frequency power source	322/90	Fogarty, James Michael et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	US 6327894 B1	USPAT	20011211	Scavenger energy converter system its new applications and its control systems	114/382	Labrador, Gaudencio A.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	US 6021402 A	USPAT	20000201	Risk management system for electric utilities	705/412	Takriti, Samer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	US 5974403 A	USPAT	19991026	Power trading and forecasting tool	705/412	Takriti, Samer et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	US 5028804 A	USPAT	19910702	Brushless doubly-fed generator control system	290/40C	Lauw, Hian K.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	US 20050040655 A1	US-PG PUB	20050224	Continuous reactive power support for wind turbine generators	290/44	Wilkins, Thomas A. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	US 20050012487 A1	US-PG PUB	20050120	Doubly fed induction machine	318/727	Skeist, S. Merrill et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	US 20040257832 A1	US-PG PUB	20041223	Permanent magnet induction machine	363/1	Skeist, S. Merrill et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	US 20040164618 A1	US-PG PUB	20040826	Fuel control system and method for distributed power generation, conversion, and storage system	307/64	Bryde, Jan Henrik	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	US 20040155527 A1	US-PG PUB	20040812	Distributed power generation, conversion, and storage system	307/64	Bryde, Jan Henrik	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	US 20040145932 A1	US-PG PUB	20040729	Energy transfer multiplexer	363/152	Skeist, S. Merrill et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	US 20030126060 A1	US-PG PUB	20030703	System, method and computer program product for enhancing commercial value of electrical power produced from a renewable energy power production facility	705/36	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	US 20030011348 A1	US-PG PUB	20030116	System, method, rotating machine and computer program product for enhancing electric power produced by renewable facilities	322/37	Lof, Per-anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	US 20030006613 A1	US-PG PUB	20030109	System, method and computer program product for enhancing commercial value of electrical power produced from a renewable energy power production facility	290/44	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	US 20020194113 A1	US-PG PUB	20021219	System, method and computer program product for risk-minimization and mutual insurance relations in meteorology dependent activities	705/37	Lof, Per-Anders K. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	US 20020103745 A1	US-PG PUB	20020801	System, method and computer program product for enhancing commercial value of electrical power produced from a renewable energy power production facility	705/37	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	US 20020087234 A1	US-PG PUB	20020704	System, method and computer program product for enhancing commercial value of electrical power produced from a renewable energy power production facility	700/286	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	US 20020084655 A1	US-PG PUB	20020704	System, method and computer program product for enhancing commercial value of electrical power produced from a renewable energy power production facility	290/44	Lof, Per-Anders Kristian et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	DK 200000912 A	DERW ENT	20011215	Prime mover operating method for wind turbines, involves temporarily offsetting singularity phase angles between prime movers, by controlling speed of prime mover by frequency converter		KRABBE, U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	AU 200173886 A	DERW ENT	20011224	Prime mover operating method for wind turbines, involves temporarily offsetting singularity phase angles between prime movers, by controlling speed of prime mover by frequency converter		KRABBE, U	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Active

- L1 (14588) (power OR utility) WITH grid
- L7 (1572) L1 SAME (wind OR solar OR wave OR ocean OR tidal OR tide)
- L2 (10) L2 SAME converter WITH ("prime mover" OR starter)
- L4 (16) L2 AND converter WITH ("prime mover" OR starter)
- L5 (8) L4 NOT L3
- FAMILY (1) 2002-098163 NFRAN
- L7 (361) tap WITH changer WITH transformer WITH (power OR utility OR electric\$3)
- LB (7) L2 AND L7
- LB (1) L7 WITH wind
- L10 (1) L7 SAME wind
- L11 (24) L7 AND wind
- L12 (17) L11 NOT LB**

DBs: US-PGPUB USPAT-EP3-JPO P-Bunks

Default operator: OR Highlight all full terms initially

L11 NOT LB

BR5 form ISIR form

	1-Document ID	Source	Issue Date	Title	Current	Inventor				
1	US 6828701 B1	USPAT	20041207	Synchronous machine with power and voltage control	310/68C	Berggren, Bertil et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	US 6384581 B	DERW ENT	20020507	Limited angle power flow transformer e.g. shunt compensating transformer obtains total voltage of secondary windings as compensating voltage which is added with transmission voltage to obtain compensated voltage		SEN, K K et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	US 5804423 A	DERW ENT	19970218	Load tap changer for electrical inductive equipment e.g. HVDC rectifier and inverter transformers - operates group of thyristors as circuit breaker and recloser so that, after half-cycle of short-circuit current, group is in off-state		DEGENEFF, R C et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	US 4504811 A	USPAT	19850312	Cable operated tap changer for a three-phase transformer	336/10	Stunzi, Joseph M.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	US 3621428 A	USPAT	19711116	ELECTRICAL WINDINGS AND METHOD OF CONSTRUCTING SAME	336/146	Robert L. Johnston et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	US 20020003420 A	DERW ENT	20020110	Hybrid tap-changer for high power application, selects taps in secondary winding of auto-transformer, based on which output of controllable voltage source is controlled		HAMMOND, P W et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	SU 965037 A	DERW ENT	19821009	Electric furnace electrode position regulator optimal adjuster - has auto-transformer winding with two groups of tapplings with same pitch and connected to regulator by tap-changer		ASTAPENKO, E S et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	SU 773745 B	DERW ENT	19801025	Resistor for transformers on-load tap changers - has spiral winding with figured inserts between turns, held by wedges but allowing oil to circulate		RYVKIN, A M et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	SU 1111225 A	DERW ENT	19840830	Single-phase earth fault current compensator - has transformer zero-sequence voltage winding connected to command unit signalling memory, damping circuit and operative current supply		PETROV, O A et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	JP 2000021644 A	DERW ENT	20000121	Gas insulated transformer with tap changer used in power sub-station - has winding wire of double-sided single phase transformer connected to edge part lead wire of on-load tap changer			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	JP 08339926 A	DERW ENT	19861224	Load tap changer for transformer - includes tap switch which has several switches provided between tap winding wire and neutral point extraction circuit, which connects two winding wire taps to interruption circuit			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	JP 08126198 A	DERW ENT	19860517	Voltage regulator in electric power system - uses current element to control leakage current which will flow to primary winding of series transformer, and tap changer switch to stop supply of voltage to primary winding of series			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	JP 06112061 A	DERW ENT	19940422	Power transformer tap changing device avoiding loosening of tap changer stand nut-bolt - has handle inserted in longitudinal hole in tap changer stand to insert winding and contact tap with winding by pressure NoAbstract			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	JP 06112060 A	DERW ENT	19940422	Power transformer tap changing device preventing tap changer stand nut-bolt loosening - has 2 taps with contact termination for mounting onto tap changer stand and connecting electric winding by pressure NoAbstract			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	DE 2949463 A	DERW ENT	19810811	Tap changer for power transformer - has pole changing contact and auxiliary contact for maintaining connection with outgoing tapping winding until incoming one is bridged		STENZEL, K	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	DE 2817125 A	DERW ENT	19781031	Variable transformer with tap changer - has windings which are divided in parallel branches with coil groups consisting of layer windings placed axially behind each other		WIDMANN, W	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	CA 1246671 A	DERW ENT	19881213	Power take-off from transformer tap changer winding - has movable contact making contact with selected tap contacts of winding to provide variable voltage at primary		TAKEDA, G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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